

DaimlerChrysler AG

Patent Claims

5

1. A safety device (1) for a motor vehicle with a
tilting roof (3) integrated into a roof area (2) and a
servo drive (4) for opening and closing the tilting
10 roof (3),

wherein

a control unit (5) is provided that evaluates the data
relevant to driving safety (6) and controls the servo
drive (4) in a timed manner, in such a way that a
15 closing operation is initiated for the open tilting
roof (3) prior to an imminent accident.

2. The safety device (1) as claimed in claim 1,
wherein

20 the tilting roof (3) is closed prior to an imminent
accident.

3. The safety device (1) as claimed in claim 1,
wherein

25 the tilting roof (3) also has a sliding function for
opening and closing parallel to the roof plane.

4. The safety device (1) as claimed in claim 1,
wherein

30 the servo drive (4) has a quick-closing function that
is initiated when the servo drive (4) is activated by
the control unit (5).

5. The safety device (1) as claimed in claim 1,
35 wherein

the data relevant to driving safety (6) is driving
conditions variables.

6. The safety device (11) as claimed in claim 1,
wherein
the data relevant to driving safety (6) is
environmental data.

5

7. The safety device (1) as claimed in claim 1,
wherein
the data relevant to driving safety is evaluated driver
actions.

10

8. The safety device (1) as claimed in claim 1,
wherein
if the accident does not occur the tilting roof (3) is
re-opened.